Title (en)
PROCESS FOR THE PRODUCTION OF MONO-OLEFINS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON MONOOLEFINEN

Title (fr)
PROCEDE DE PRODUCTION DE MONO-OLEFINES

Publication
EP 0656044 B1 19970212 (EN)

Application
EP 93918038 A 19930817

Priority
- GB 9301741 W 19930817
- GB 9217685 A 19920820

Abstract (en)
[origin: WO9404632A1] A process for the production of mono-olefins from a hydrocarbon feed containing one or more paraffinic hydrocarbons having at least two carbon atoms, the process comprising partial combustion of a mixture of the hydrocarbon feed and a molecular oxygen-containing gas in contact in a reaction chamber with a catalyst capable of supporting combustion beyond the normal fuel rich limit of flammability to produce heat of reaction, the reaction chamber being adapted such that at least part of the heat of reaction is transferred to the incoming feed and the velocity of the incoming feed is maintained at a value above the burning velocity of the feed mixture.

IPC 1-7
C10G 11/22; C07C 5/48

IPC 8 full level
C07C 5/48 (2006.01); **C10G 11/22** (2006.01)

IPC 8 main group level
C08F 10/00 (2006.01); **C07C 2/00** (2006.01); **C08F 4/00** (2006.01)

CPC (source: EP US)
C07C 5/48 (2013.01 - EP US); **C10G 11/22** (2013.01 - EP US); C10G 2400/20 (2013.01 - EP US)

C-Set (source: EP US)
C07C 5/48 + **C07C 11/02**

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9404632 A1 19940303; AT E148914 T1 19970215; AU 4727193 A 19940315; BG 99508 A 19960131; BR 9306931 A 19990112; CN 1090566 A 19940810; CZ 37395 A3 19951018; DE 69308145 D1 19970327; DE 69308145 T2 19970528; EP 0656044 A1 19950607; EP 0656044 B1 19970212; GB 9217685 D0 19920930; HR P931121 A2 19941231; HR P931121 B1 19981231; HU 213941 B 19971128; HU 9500489 D0 19950428; HU T71164 A 19951128; PL 174161 B1 19980630; PL 307559 A1 19950529; RO 116907 B1 20010730; RU 2115692 C1 19980720; RU 95108257 A 19970110; SI 9300441 A 19940331; SK 23195 A3 19950711; US 5625111 A 19970429; ZA 936019 B 19950217

DOCDB simple family (application)
GB 9301741 W 19930817; AT 93918038 T 19930817; AU 4727193 A 19930817; BG 9950895 A 19950320; BR 9306931 A 19930817; CN 93118265 A 19930820; CZ 37395 A 19930817; DE 69308145 T 19930817; EP 93918038 A 19930817; GB 9217685 A 19920820; HR P931121 A 19930819; HU 9500489 A 19930817; PL 30755993 A 19930817; RO 9500315 A 19930817; RU 95108257 A 19930817; SI 9300441 A 19930820; SK 23195 A 19930817; US 36872095 A 19950104; ZA 936019 A 19930817